

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 January 2001 (18.01.2001)

PCT

(10) International Publication Number
WO 01/03607 A3

(51) International Patent Classification⁷: **A61B 17/12.**
A61F 2/06

Marlborough, MA 01752 (US). **ABRAMS, Robert, M.;**
359 Redondo Terrace, Sunnyvale, CA 94086 (US).

(21) International Application Number: **PCT/US00/17550**

(74) Agents: **BATT, Richard, R. et al.;** Morrison & Foerster
LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(22) International Filing Date: **26 June 2000 (26.06.2000)**

(81) Designated States (*national*): **AU, CA, JP.**

(25) Filing Language: **English**

(84) Designated States (*regional*): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE).

(26) Publication Language: **English**

(30) Priority Data:
09/352,187 **12 July 1999 (12.07.1999)** **US**

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

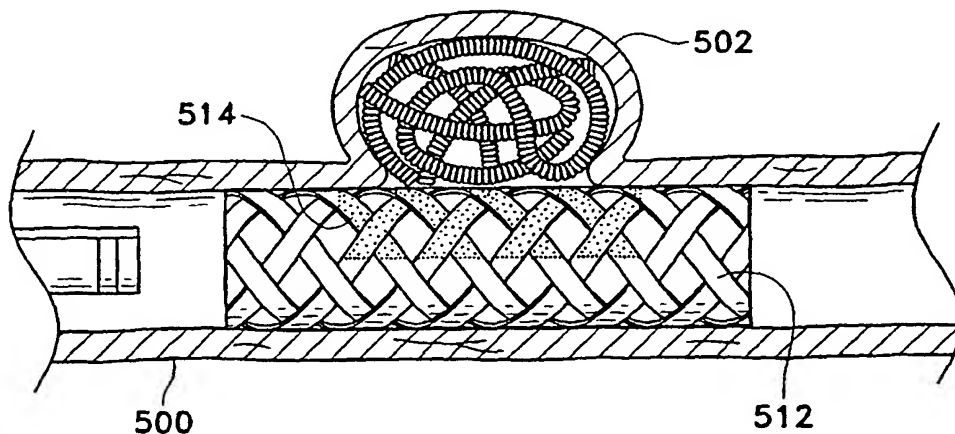
(71) Applicant: **SCIMED LIFE SYSTEMS, INC. [US/US];**
One Scimed Place, Maple Grove, MN 55311-1566 (US).

(88) Date of publication of the international search report:
26 July 2001

(72) Inventors: **SLAIKEU, Paul, C.;** 3594 Skyline Drive,
Hayward, CA 94542 (US). **WALLACE, Michael, P.;**
3515 D Bernal Avenue, Pleasanton, CA 94566 (US).
EDER, Joseph, C.; 23423 Toyonta Road, Los Altos Hills,
CA 94024 (US). **BARRY, James, J.;** 35 Jackson Circle,

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **ANEURYSM CLOSURE DEVICE ASSEMBLY**



(57) Abstract: This is an implantable medical device assembly for use in surgical procedures. It is most preferably an implantable structure having stenting properties but only partially coated with or partially associated with a material causing a localized angiogenic response. One variation of is an artificial occlusion kit having the inventive implantable stenting structure situatable and vaso-occlusive devices. The implantable stenting structure is typically situated so to prevent migration of artificial occlusion devices or implants from an occlusion site, such as an aneurysm, and into an adjacent body space, such as a blood vessel.

WO 01/03607 A3

INTERNATIONAL SEARCH REPORT

Int lional Application No
PCT/US 00/17550

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B17/12 A61F2/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B A61F A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 02092 A (SCIMED LIFE SYSTEMS, INC.) 21 January 1999 (1999-01-21) the whole document	1-24
Y	WO 99 05977 A (BOSTON SCIENTIFIC CORPORATION) 11 February 1999 (1999-02-11) abstract; figures page 8, line 7-16 page 9, line 30 -page 10, line 20 page 12, line 8-20	1-24
A	DE 197 13 213 A (RUEBBEN) 1 October 1998 (1998-10-01) the whole document	1,5-14, 16-24
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "8" document member of the same patent family

Date of the actual completion of the international search

31 August 2000

Date of mailing of the international search report

06/09/2000

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Giménez Burgos, R

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/17550

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 986 831 A (KING ET AL.) 22 January 1991 (1991-01-22) abstract; figures column 5, line 29 -column 6, line 14 ---	1,5-14, 16-24
A	EP 0 820 726 A (TARGET THERAPEUTICS, INC.) 28 January 1998 (1998-01-28) abstract; figures -----	1,14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/17550

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9902092 A	21-01-1999	US 5951599 A AU 8290498 A EP 0994674 A	14-09-1999 08-02-1999 26-04-2000
WO 9905977 A	11-02-1999	AU 8599898 A EP 1006890 A	22-02-1999 14-06-2000
DE 19713213 A	01-10-1998	NONE	
US 4986831 A	22-01-1991	US 5192311 A	09-03-1993
EP 0820726 A	28-01-1998	US 5980514 A AU 709076 B AU 3012597 A AU 4739199 A CA 2211512 A JP 10071154 A NO 973373 A US 6096034 A	09-11-1999 19-08-1999 05-02-1998 18-11-1999 26-01-1998 17-03-1998 27-01-1998 01-08-2000

Form PCT1SA/213 (patent family annex) (July 1992)